Emergency evacuation device
The Derope® emergency escape/controlled descent device enables the evacuation of one or two persons from an elevated position to a lower level or the ground at a controlled speed of 235 ft./min. (72 m/min.).

Rescue device
The Derope® descent device can also be used for one man or two-man rescue operations. Victims can be lowered alone or accompanied by the rescuer following the standard procedures for rescue applications. If obstructions or obstacles prevent a vertical evacuation, the operation can be carried out down a cableway or tagline positioned at an angle between 30º and 60º.

Derope® T (base model)
The Derope® descent device utilizes 3⁄8-in. (9.5 mm) Kernmantle® rope that runs through a guarded rope sheave which is connected to a sealed centrifugal brake that limits the descent speed to 235 ft./min. (72 m/min.). Snap hooks located at each end of the rope allow for multiple evacuations as the brake controls the descent speed in either direction. Dual descent pig tails and an intergraded jamming cleat give the user more control during a rescue. External cooling fins ensure that the unit is rapidly ready for consecutive descents.

Derope® Up A descent device with hand wheel winch
Model incorporates a hand wheel winch mounted on to the base unit which allows the Derope® descent device to be used as a lifting device. With a lift ratio of roughly 2:1, the winch is capable of lifting a victim in order to release it from its fall protection sub-system.

Derope® Up E descent device with ladder bracket
Model equipped with a wheel winch and a ladder bracket that can be secured on ladder rungs for more stability during rescue operations.

Derope® Up R descent device with tripod bracket
Model equipped with a wheel winch and a tripod bracket that can be secured on a tripod leg to perform rescue operations in confined space environments.

For further information, refer to “Use and Maintenance Instructions” for evacuation and rescue equipment and Derope® emergency escape/controlled descent device.

Features
- Easy to use, minimum training required
- For one person:  
  - Constant descent speed of 235 ft./min. (72 m/min.)
  - Up to 2,600 ft. (800 m) of descent
- For two persons:  
  - Constant descent speed of 295 ft./min. (90 m/min.)
  - Up to 1,000 ft. (300 m) of descent

Applications
- Wind power turbines
- Aerial electric lines
- Antennas, towers
- Platforms, cranes
- Confined space (sewerage system, gas grid, piping)
- Cable car cabins
- Silos

Applicable standards
- ANSI Z359.4-07
- CSA Z259.2.3, type 1E
Available Derope® T descent device kits including:
- Derope® descent device unit
- 6-ft. (1.8 m) vinyl covered wire rope sling – V4173
- ¾-in. (19 mm) carbon steel autolocking carabiner – PM11Z
- J-knife – KSOS
- Rescue/rope bag – XB23144 or XB26168

KT7200/TK  200-ft. (60 m) Derope® T descent device system
KT7300/TK  300-ft. (90 m) Derope® T descent device system
KT7400/TK  400-ft. (120 m) Derope® T descent device system
KT7500/TK  500-ft. (150 m) Derope® T descent device system
KT7600/TK  600-ft. (180 m) Derope® T descent device system

Available Derope® Up A descent device kits including:
- Derope® descent device unit
- 6-ft. (1.8 m) vinyl covered wire rope sling – V4173
- ¾-in. (19 mm) carbon steel autolocking carabiner – PM11Z
- J-knife – KSOS
- Rescue/rope bag – XB23144 or XB26168

KT7200/AK  200-ft. (60 m) Derope® Up A descent device system
KT7300/AK  300-ft. (90 m) Derope® Up A descent device system
KT7400/AK  400-ft. (120 m) Derope® Up A descent device system

Available ladder Derope® Up E descent device kits including:
- Derope® descent device unit with mounted ladder adapter
- Adjustable lanyard including two PM11Z carabiners – D58U98
- Edge roller – K072586K
- T-bar – K5TBAR/K
- Stopfor® A rope grab – WA58
- Rescue bag – XB26168

KT7230/WKE  230-ft. (70 m) Derope® Up E descent device system
KT7280/WKE  280-ft. (85 m) Derope® Up E descent device system
KT7300/WKE  300-ft. (90 m) Derope® Up E descent device system
KT7330/WKE  330-ft. (100 m) Derope® Up E descent device system

* Recommended lanyard: C826H
Available ladder Derope® Up E descent device kits including:
- Derope® descent device unit with mounted ladder adapter
- Adjustable lanyard including two PM11Z carabiners – D58U98
- Edge roller – K072586K
- Rescue bag – XB26168

KT7230/WK  230-ft. (70 m) Derope® Up E descent device system
KT7280/WK  280-ft. (85 m) Derope® Up E descent device system
KT7300/WK  300-ft. (90 m) Derope® Up E descent device system
KT7330/WK  330-ft. (100 m) Derope® Up E descent device system

* Recommended lanyards: C5Y26H/R, C526H/R, CA226H/R and C826H

Available tripod Derope® Up R descent device kits:
- KT7050/R  50-ft. (15 m) Derope® Up R descent device system
- KT7100/R  100-ft. (30 m) Derope® Up R descent device system

Accessories
- K3040092 In-line double pulley
- K3020512 Rigging plate
- GC759  Super dry, semi-static 3⁄8-in. (9.5 mm) kernmantle rope, per foot (system requires 2 ft. [0.6 m] of rope for each foot of height)

*Recommended lengths of rope
Evacuation: 1 x the height to evacuate
Rescue: 2 x the height
## Derope® emergency escape/controlled descent device

<table>
<thead>
<tr>
<th>Model</th>
<th>Derope® T</th>
<th>Derope® Up A</th>
<th>Derope® Up E</th>
<th>Derope® Up R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. height for 1 person single descent</td>
<td>1,300 ft. (400 m)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 persons 650 ft. (200 m)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speed of descent</td>
<td>1 person 235 ft./min. (72 m/min.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 persons 295 ft./min. (90 m/min.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>-31 to 122° F (-35 to 50° C)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>H x W x D</td>
<td>6¹⁵⁄₁₆ x 4³⁄₈ x 4¹⁄₂ in. (170 x 120 x 105 mm)</td>
<td>8³⁄₉ x 7⁵⁄₈ x 6¹⁄₂ in. (225 x 200 x 165 mm)</td>
<td>19³⁄₈ x 10¹⁄₈ x 6¹⁄₂ in. (485 x 265 x 165 mm)</td>
</tr>
<tr>
<td>Construction</td>
<td>Housing: aluminum casting Internal parts (pulley and gears): heat-treated steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hand wheel winch Max load Applied force Lift ratio</td>
<td>n/a</td>
<td>310 lbs. (140 kg)</td>
<td>n/a</td>
<td>11 lbs. (5 kg)</td>
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<tr>
<td>Capacity</td>
<td>1 person 310 lbs. (140 kg)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 persons 500 lbs. (225 kg)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>4 lbs. (1.9 kg)</td>
<td>6.6 lbs. (3 kg)</td>
<td>13.4 lbs. (6.1 kg)</td>
<td>14.3 lbs. (6.5 kg)</td>
</tr>
<tr>
<td>Kernmantle® rope*</td>
<td>⅜ in. (9.5 mm)</td>
<td>Tractel® Ltd. super dry Kernmantle®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standards</td>
<td>ANSI Z359.4-07 and CSA Z259.2.3, type 1E</td>
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</tr>
</tbody>
</table>

*Recommended lengths of rope*  
Evacuation: 1 x the height to evacuate  
Rescue: 2 x the height

### MAXIMUM NUMBER OF CONSECUTIVE DESCENTS

<table>
<thead>
<tr>
<th>Descent height</th>
<th>165 ft. (50 m)</th>
<th>410 ft. (125 m)</th>
<th>650 ft. (200 m)</th>
<th>1,000 ft. (300 m)</th>
<th>1,300 ft. (400 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity of 310 lbs. (140 kg)</td>
<td>16</td>
<td>6</td>
<td>4</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Capacity of 500 lbs. (225 kg)</td>
<td>6</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>Prohibited</td>
</tr>
</tbody>
</table>